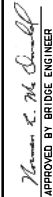



DEAD LOAD DEFLECTION DIAGRAM

NOTES:
 1. ENCIRCLED NUMBERS INDICATE ANTICIPATED DEFLECTION DUE TO CONCRETE ONLY.
 2. DEFLECTIONS ARE IN INCHES.

		MOMENT - foot-kips		MOMENT AND REACTION TABLE								REACTION - kips			
LOAD NAME	LOAD - K/ft		POSITIVE MOMENT				NEGATIVE MOMENT		REACTION						
	INTERIOR	EXTERIOR	0.4 FT. END SPAN		0.5 FT. CENTER SPAN		PIER INTERIOR	PIER EXTERIOR	ABUTMENT INTERIOR	ABUTMENT EXTERIOR	PIER INTERIOR	PIER EXTERIOR			
D.L. NO. 1	0.74*	0.72*	428	419	496	485	951	930	29	28	104	101			
D.L. NO. 2	0.29	0.29	140	136	192	180	263	275	9	9	32	32			
LIVE LOAD + IMPACT HS20-44 LANE TRUCK	MOMENT	MOMENT	880	822	983	897	-	-	59	50	-	-			
	1.35	1.27													
	REACTION	REACTION	-	-	-	-	690	684	-	-	81	76			
	1.65	1.05													
TOTAL	-	-	-	-	-	-	1904	1889	97	87	216	209			

* LOAD VALUES DO NOT INCLUDE GIRDER WEIGHT.
 MOMENT AND REACTION VALUES DO INCLUDE GIRDER WEIGHT.
 MOMENTS AND REACTIONS SHOWN ARE UNFACTORED.

LATEST REVISION DATE	 APPROVED BY BRIDGE ENGINEER		
		STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES ROLLED STEEL BEAM BRIDGES FEBRUARY, 2004	
		BEAM DEFLECTIONS 280'-0" BRIDGE	RS40-BD7-04